

Bibliography to Assist Monitoring and Understanding the Effects of Land Based Sources of Pollution

Prepared By:

Peter Houk
(deq.biologist@saipan.com)
Marine Biologist
CNMI Division of Environmental Quality

1. Alongi, D. M. Benthic processes across mixed terrigenous-carbonate sedimentary facies on the central Great Barrier Reef continental shelf. *Continental Shelf Research*. 1989; 9(7):629-663. ISSN: 0278-4343/89 \$3.00 + 0.00.
2. Andrefoutet, S. Mumby P. J. McField M. Hu C. and F. E. Muller-Karger. Revisiting coral reef connectivity. *Coral Reefs*. 2002; 21:43-48.
3. Anthony, K. R. N. and Fabricius, K. E. Shifting Roles of Heterotrophy and Autotrophy in Coral Energetics Under Varying Turbidity. *Journal of Experimental Marine Biology and Ecology*. 2000 Sep 20; 252(2):221-253.
Notes: ISO Source Title Abbreviation: J. Exp. Mar. Biol. Ecol.
ISI Document Solutions: 355AU
29-Character Source Title Abbreviation: J Exp Mar Biol Ecol
4. Babcock R.C. Comparative demography of three species of scleractinian corals using age- and size-dependent classification. *Ecological Monographs*. 1991; 61(3):225-244.
5. Beer, S.; Ilan, M.; Eshel, A.; Weil, A., and Brickner, I. Use of Pulse Amplitude Modulated (Pam) Fluorometry for in Situ Measurements of Photosynthesis in Two Red Sea Faviid Corals. *Marine Biology*. 1998 Jul; 131(4):607-612.
Notes: ISO Source Title Abbreviation: Mar. Biol.
ISI Document Solutions: 109EV
29-Character Source Title Abbreviation: Mar Biol
6. Benayahu Y., Loya Y. Space partitioning by stony corals soft corals and benthic algae on the coral reefs of the northern Gulf of Eilat (Red Sea). *Helgoländer Wissenschaftliche Meeresuntersuchungen*. 1977; 30:362-382.
7. Birkeland, C. Second-order ecological effects of nutrient input into coral communities. *Galaxea* 7:91-100. 1988.
8. Brodie, J. E.; Furnas, M. J.; Steven, A. D. L.; Trott, L. A.; Panthus, F., and Wright, M. Monitoring chlorophyll in the Great Barrier Reef Lagoon: trends and variability. *Proc 8th Int Coral Reef Symp*, Panama. 1996:797-802.
9. Brown B. Adaptations of reef corals to physical environmental stress. *Advances in Marine Biology*. 1997; 31:221-299. ISSN: 0-12-026131-6.
10. CARICOMP. CARICOMP monitoring of coral reefs. *Proc 8th Int Coral Reef Symp*, Panama. 1996:651-656.
11. Carpenter R.A. Ecology should apply to ecosystem management: A comment. *Ecological Applications*. 1996; 6(4):1373-1377.
12. Clarke, K. R. Warwick R. M. Change in coral communiities: an approach to statistical analysis and interpretation. UK: Natural Environment Research Council; 1994; p. 144pp.
13. Clarke K.R., Warwick R. M. Brown B. E. An index showing breakdown of seriation, related to disturbance, in a coral-reef assemblage. *Marine Ecology Progress Series*. 1993; 102(December 9):153-160.

14. Done, T. Science for Management of the Great Barrier Reef. *Nature & Resources*. 1998 Jul-1998 Sep 30; 34(3):16-29.
Notes: ISO Source Title Abbreviation: Nat. Resour.
ISI Document Solutions: 337VD
29-Character Source Title Abbreviation: Nature Resour
15. Dustan, P. Dobson E. and G. Nelson. Landsat Thematic Mapper: detection of shifts in community composition of coral reefs. *Conservation Biology*. 2001; 15(4):892-902.
16. Erftemeijer, P. L. and J. J. Middelburg. Sediment-nutrient interactions in tropical seagrass beds: a comparison between a terrigenous and a carbonate sedimentary environment in South Sulawesi (Indonesia). *Marine Ecology Progress Series*. 1993; 102:187-198.
17. Fabricius, K. E. and Wolanski, E. Rapid Smothering of Coral Reef Organisms by Muddy Marine Snow. *Estuarine Coastal and Shelf Science*. 2000 Jan; 50(1):115-120.
Notes: ISO Source Title Abbreviation: Estuar. Coast. Shelf Sci.
ISI Document Solutions: 292DM
29-Character Source Title Abbreviation: Estuar Coast Shelf Sci
18. Fong, P. and Glynn, P. W. A Regional Model to Predict Coral Population Dynamics in Response to El Nino-Southern Oscillation. *Ecological Applications*. 2000 Jun; 10(3):842-854.
Notes: ISO Source Title Abbreviation: Ecol. Appl.
ISI Document Solutions: 322JN
29-Character Source Title Abbreviation: Ecol Appl
19. Gray, J. S. Boesch D. Heip C. Jones A. M. Lassig J. Vanderhorst R. and Wolfe, D. The Role of Ecology in Marine Pollution Monitoring. "Rapp. P.v. Reun. Cons. Int. Explor. Mer, 179:237-252". 1980.
20. Green R.H. Multivariate approaches in ecology: The assessment of ecological similarity. *Annual Review of Ecology and Systematics*. 1980; 1:1-14.
21. Harborne A.R., Mumby P. J. Refining a classification of marine habitats using discriminator and characteristic species. ---. 1995.
Notes: Abstract from: European Meeting of the International Society for Reef Studies (ISRS) and the British Ecological Society (BES), 'Biology and Geology of Coral Reefs', September 5th to 9th 1995
22. He, M. X. Z. S. Liu K. P. Du L. P. Li R. Chen K. L. Carder and Z. P. Lee. Retrieval of chlorophyll from remote-sensing reflectance in the China seas. *Applied Optics*. 2000; 39(15):2467-2474.
23. Heck, K. L. J. R. Pennock J. F. Valentine L. D. Coen and S. A. Sklenar. Effects of nutrient enrichment and small predator density on seagrass ecosystems: An experimental assessment. *Limnology and Oceanography*. 2000; 45(5):1041-1057.
24. Hopley, D. and Catt, P. C. Use of near infra-red aerial photography for monitoring ecological changes to coral reef flats on the Great Barrier Reef. "Proc. 6th Int. Coral Reef Symp, Townsville, 3:503-508". 1988.
25. Hunter, Cl and Evans, Cw. Coral reefs in Kaneohe Bay, Hawaii: Two centuries of western influence and two decades of data. *Bull. Mar. Sci.* 1995; 57(2):501-515.
26. Jaap, Wc. Monitoring methods for assessing coral reef biota and habitat condition. Source A CORAL REEF SYMPOSIUM ON PRACTICAL, RELIABLE, LOW COST

MONITORING METHODS FOR ASSESSING THE BIOTA AND HABITAT
CONDITIONS OF CORAL REEFS. 1995.

Notes: Using Smart Source Parsing
vp

27. Jones, G. P. and Syms, C. Disturbance, Habitat Structure and the Ecology of Fishes on Coral Reefs. *Australian Journal of Ecology*. 1998 Jun; 23(3):287-297.
Notes: ISO Source Title Abbreviation: Aust. J. Ecol.
ISI Document Solutions: ZU238
29-Character Source Title Abbreviation: Aust J Ecol
28. Jones, R. J.; Kildea, T., and Hoegh-Guldberg, O. Pam Chlorophyll Fluorometry: a New in Situ Technique for Stress Assessment in Scleractinian Corals, Used to Examine the Effects of Cyanide From Cyanide Fishing. *Marine Pollution Bulletin*. 1999 Oct; 38(10):864-874.
Notes: ISO Source Title Abbreviation: Mar. Pollut. Bull.
ISI Document Solutions: 258UB
29-Character Source Title Abbreviation: Mar Pollut Bull
29. Loya, Y. Effects of water turbidity and sedimentation on the community structure of Puerto Rican corals. *Bull. Mar. Sci.* 26:450-466. 1976.
30. McField, M. D. P. Hallock and W. C. Jaap. Multivariate analysis of reef community structure in the Belize Barrier Reef complex. *Bulletin of Marine Science*. 2001; 69(2):745-758.
31. Meesters, E. H.; Hilterman, M.; Kardinaal, E.; Keetman, M.; De Vries, M., and Bak, R. P. M. Colony size-frequency distributions of scleractinian coral populations: Spatial land interspecific variation. *Marine Ecology Progress Series*. 2001 Jan 5; 209: 43-54.
32. Ogden, J.C. Marine managers look upstream for connections. *Science (Wash.)*. 1997; 278(5342):1414-1415.
33. Porter, J. W.; Lewis, S. K., and Porter, K. G. The Effect of Multiple Stressors on the Florida Keys Coral Reef Ecosystem: a Landscape Hypothesis and a Physiological Test. *Limnology and Oceanography*. 1999 May; 44(3):941-949.
Notes: ISO Source Title Abbreviation: Limnol. Oceanogr.
Part Number: 2
ISI Document Solutions: 196UU
29-Character Source Title Abbreviation: Limnol Oceanogr
34. Raghukumar, C. Coral mortality in reefs: The cause and effect; A central concern for reef monitoring. Source Regional Workshop on the Conservation and Sustainable Management of Coral Reefs., M.S. Swaminathan Res. Found., Chennai. 1997:C83-C86.
Notes: Using Smart Source Parsing
pp
35. Randall, R.H., and C. Birkeland. 1978. Guam's reefs and beaches part II sedimentation studies at Fouha Bay and Ylig Bay. University of Guam Technical Report No. 47.
35. Rogers, C.S. Responses of coral reefs and reef organisms to sedimentation. *Mar. Ecol. Prog. Ser.* 1990; 62(1-2):185-202.
36. Umezawa, Y. Miyajima T. Kayanne H. and I. Koike. Significance of groundwater nitrogen discharge into coral reefs at Ishigaki Island, southwest of Japan. *Coral Reefs*. 2002; 21:346-356.

37. Warwick R.M., Clarke K. R. New 'biodiversity' measures reveal a decrease in taxonomic distinctness with increasing stress. *Marine Ecology Progress Series*. 1995; 129:301-305.
38. West, K. and van Woesik, R. Spatial and Temporal Variance of River Discharge on Okinawa (Japan): Inferring the Temporal Impact on Adjacent Coral Reefs. *Marine Pollution Bulletin*. 2001 Oct; 42(10):864-872.
39. Wilkinson C., Cheshire A. C. Cross-shelf variations in coral reef structure and function - influences of land and ocean. *Proceedings of the 6th International Coral Reef Symposium, Australia*. 1988; 1:227-233.
40. Wilson M.V., Mohler C. L. Measuring compositional change along gradients. *Vegetatio*. 1983; 54:129-141.
41. Wolanski, E. Pickard G. L. and Jupp, D. L. B. "River plumes, coral reefs and mixing in the Gulf of Papua and the northern Great Barrier Reef.". *Estuarine Coastal Shelf Sci*. 18:291-314. 1984.
42. Yamazato K. Effects of deposition and suspension of inorganic particulate matter on the reef building corals in Okinawa, Japan. *Galaxea*. 1987; 6:289-309.
Notes: Contribution from Sesoko Marine Science Centre No. 209
43. Yamazato, K. Outline of the workshop on the effect of water pollution on the coral reef organisms. *Galaxea* 8:105-108. 1989.